

## ***Ranking Tool Summary***

### **for FY2008 - Cropland - Erosion/Sedimentation**

**(Released 10/12/2007 )**

#### **Description:**

This funding pool is used in ranking EQIP applications for Cropland - Erosion/Sedimentation for Fiscal Year 2008. The beginning land use must be cropland, but cropland converting to grass is eligible for this funding pool also. Irrigation and Precision Farming (Nutrient Management) are added this year. Irrigation history must be verified (two out of the last five years) according to Conservation Programs Manual (CPM) 440-V-NCPM Amendment TN14, Jan. 2006 (Part 515).

#### **Land Uses:**

Crop

#### **Efficiency Score:**

Scoring Multiplier: 1.00

#### **Optional Notes:**

#### **National Priorities:**

Scoring Multiplier: 10.00

Questions:

Number	Question	Points
1	Will the treatment you intend to implement using EQIP result in considerable reductions of non-point source pollution, such as nutrients, sediment, pesticides, excess salinity in impaired watersheds, groundwater contamination or point source contamination from confined animal feeding operations?	5
2	Will the treatment you intend to implement using EQIP result in a considerable amount of ground or surface water conservation?	5
3	Will the treatment you intend to implement using EQIP result in a considerable reduction of emissions, such as particulate matter, nitrogen oxides (NOx), volatile organic compounds, and ozone precursors and depleters that contribute to air quality impairment violations of National Ambient Air Quality Standards?	5
4	Will the treatment you intend to implement using EQIP result in a considerable reduction in soil erosion and sedimentation from unacceptable levels on agricultural land?	5
5	Will the treatment you intend to implement using EQIP result in a considerable increase in the promotion of at-risk species habitat conservation?	5
Total Points		25

#### **State Issues:**

Scoring Multiplier: 10.00

Questions:

Sub-heading Number	Question Number	Question	Points
	1	Are you or will you produce crops in one or more of the following cropping systems on this tract? a. No till high residue crops annually (corn, small grains) b. No till cotton in no more than 2 consecutive years followed by	200

		high residue crops c. No till corn silage in a rotation with small grains d. Low residue crops with winter cover crops	
	2	Does the applicant plan to plant Highly Erodible Land (HEL) cropland to permanent vegetation?	150
	3	If you convert cropland to permanent vegetation, will you plant native vegetation?	50
	4	Will the practice(s) to be installed reduce sediment load to a 303(d) stream?	100
	5	Do you have or will you establish a buffer on fields adjacent to streams?	100
	6	Do you currently have land enrolled in Conservation Reserve Program (CRP) buffers or field borders on this tract?	25
	7	Are you or will you practice nutrient management according to NRCS specifications?	100
	8	Has the applicant completed and submitted a Conservation Security Program (CSP) Self Assessment?	10
		Maximum Points: Total Points	735

## Local Issues:

## Selected Resource Concerns and Practices:

### Air Quality: Chemical Drift

Conservation Crop Rotation (328)  
 Cover Crop (340)  
 Critical Area Planting (342)  
 Field Border (386)  
 Filter Strip (393)  
 Irrigation System, Microirrigation (441)  
 Irrigation System, Sprinkler (442)  
 Irrigation System, Tailwater Recovery (447)  
 Irrigation Water Conveyance, Pipeline, H (430DD)  
 Nutrient Management (590)  
 Pasture and Hay Planting (512)  
 Pest Management (595)  
 Riparian Forest Buffer (391)  
 Tree/Shrub Establishment (612)

### Air Quality: Excessive Greenhouse Gas - CO2 (carbon dioxide)

Conservation Crop Rotation (328)  
 Contour Buffer Strips (332)  
 Cover Crop (340)  
 Critical Area Planting (342)  
 Field Border (386)  
 Filter Strip (393)  
 Grassed Waterway (412)  
 Mulching (484)  
 Nutrient Management (590)  
 Pasture and Hay Planting (512)  
 Pest Management (595)  
 Riparian Forest Buffer (391)  
 Tree/Shrub Establishment (612)  
 Use Exclusion (472)

### Domestic Animals: Inadequate Quantities and Quality of Feed and Forage

Conservation Crop Rotation (328)  
 Contour Buffer Strips (332)  
 Cover Crop (340)  
 Critical Area Planting (342)  
 Field Border (386)

- Filter Strip (393)
- Irrigation System, Microirrigation (441)
- Irrigation System, Sprinkler (442)
- Irrigation System, Tailwater Recovery (447)
- Irrigation Water Conveyance, Pipeline, H (430DD)
- Irrigation Water Management (449)
- Mulching (484)
- Nutrient Management (590)
- Pasture and Hay Planting (512)
- Pest Management (595)
- Use Exclusion (472)
- Fish and Wildlife: Habitat Fragmentation
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Irrigation System, Sprinkler (442)
  - Irrigation System, Tailwater Recovery (447)
  - Irrigation Water Conveyance, Pipeline, H (430DD)
  - Lined Waterway or Outlet (468)
  - Nutrient Management (590)
  - Pasture and Hay Planting (512)
  - Pest Management (595)
  - Riparian Forest Buffer (391)
  - Tree/Shrub Establishment (612)
  - Use Exclusion (472)
- Fish and Wildlife: T&E Species: Declining Species, Species of Concern
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Irrigation System, Sprinkler (442)
  - Irrigation System, Tailwater Recovery (447)
  - Irrigation Water Conveyance, Pipeline, H (430DD)
  - Lined Waterway or Outlet (468)
  - Nutrient Management (590)
  - Pasture and Hay Planting (512)
  - Pest Management (595)
  - Riparian Forest Buffer (391)
  - Tree/Shrub Establishment (612)
  - Use Exclusion (472)
  - Water and Sediment Control Basin (638)
- Fish and Wildlife: Threatened and Endangered Fish and Wildlife Species
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Irrigation System, Sprinkler (442)
  - Irrigation System, Tailwater Recovery (447)

Irrigation Water Conveyance, Pipeline, H (430DD)  
 Lined Waterway or Outlet (468)  
 Nutrient Management (590)  
 Pasture and Hay Planting (512)  
 Pest Management (595)  
 Riparian Forest Buffer (391)  
 Tree/Shrub Establishment (612)  
 Use Exclusion (472)  
 Water and Sediment Control Basin (638)  
 Plant Condition: Noxious and Invasive Plants  
 Conservation Crop Rotation (328)  
 Contour Buffer Strips (332)  
 Cover Crop (340)  
 Critical Area Planting (342)  
 Field Border (386)  
 Filter Strip (393)  
 Irrigation Land Leveling (464)  
 Mulching (484)  
 Pasture and Hay Planting (512)  
 Pest Management (595)  
 Riparian Forest Buffer (391)  
 Tree/Shrub Establishment (612)  
 Use Exclusion (472)  
 Plant Condition: Productivity, Health and Vigor  
 Conservation Crop Rotation (328)  
 Contour Buffer Strips (332)  
 Cover Crop (340)  
 Critical Area Planting (342)  
 Diversion (362)  
 Field Border (386)  
 Filter Strip (393)  
 Grade Stabilization Structure (410)  
 Grassed Waterway (412)  
 Irrigation Land Leveling (464)  
 Irrigation Storage Reservoir (436)  
 Irrigation System, Microirrigation (441)  
 Irrigation System, Sprinkler (442)  
 Irrigation System, Tailwater Recovery (447)  
 Irrigation Water Conveyance, Pipeline, H (430DD)  
 Irrigation Water Management (449)  
 Land Clearing (460)  
 Mulching (484)  
 Nutrient Management (590)  
 Pasture and Hay Planting (512)  
 Pest Management (595)  
 Pipeline (516)  
 Riparian Forest Buffer (391)  
 Sediment Basin (350)  
 Tree/Shrub Establishment (612)  
 Use Exclusion (472)  
 Water and Sediment Control Basin (638)  
 Plant Condition: T&E Plant Species: Declining Species, Species of Concern  
 Conservation Crop Rotation (328)  
 Contour Buffer Strips (332)  
 Critical Area Planting (342)  
 Field Border (386)  
 Filter Strip (393)  
 Grassed Waterway (412)  
 Mulching (484)  
 Pasture and Hay Planting (512)  
 Pest Management (595)

- Riparian Forest Buffer (391)
- Tree/Shrub Establishment (612)
- Use Exclusion (472)
- Soil Condition: Compaction
  - Conservation Crop Rotation (328)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Field Border (386)
  - Filter Strip (393)
  - Grassed Waterway (412)
  - Mulching (484)
  - Pasture and Hay Planting (512)
  - Riparian Forest Buffer (391)
  - Tree/Shrub Establishment (612)
  - Use Exclusion (472)
- Soil Condition: Contaminants-Animal Waste and Other Organics - N
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Mulching (484)
  - Nutrient Management (590)
  - Pasture and Hay Planting (512)
  - Riparian Forest Buffer (391)
  - Sediment Basin (350)
  - Tree/Shrub Establishment (612)
  - Use Exclusion (472)
  - Water and Sediment Control Basin (638)
- Soil Condition: Contaminants-Animal Waste and Other Organics - P
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Mulching (484)
  - Nutrient Management (590)
  - Pasture and Hay Planting (512)
  - Riparian Forest Buffer (391)
  - Sediment Basin (350)
  - Tree/Shrub Establishment (612)
  - Use Exclusion (472)
  - Water and Sediment Control Basin (638)
- Soil Condition: Damage from Sediment Deposition
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Diversion (362)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Irrigation Land Leveling (464)
  - Irrigation System, Microirrigation (441)

Irrigation System, Tailwater Recovery (447)  
Mulching (484)  
Nutrient Management (590)  
Pasture and Hay Planting (512)  
Pest Management (595)  
Riparian Forest Buffer (391)  
Sediment Basin (350)  
Terrace (600)  
Tree/Shrub Establishment (612)  
Underground Outlet (620)  
Use Exclusion (472)  
Water and Sediment Control Basin (638)  
Soil Condition: Organic Matter Depletion  
Conservation Crop Rotation (328)  
Contour Buffer Strips (332)  
Cover Crop (340)  
Critical Area Planting (342)  
Field Border (386)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Irrigation System, Tailwater Recovery (447)  
Mulching (484)  
Nutrient Management (590)  
Pasture and Hay Planting (512)  
Pest Management (595)  
Riparian Forest Buffer (391)  
Tree/Shrub Establishment (612)  
Use Exclusion (472)  
Soil Erosion: Classic Gully  
Conservation Crop Rotation (328)  
Contour Buffer Strips (332)  
Cover Crop (340)  
Critical Area Planting (342)  
Diversion (362)  
Field Border (386)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Grassed Waterway (412)  
Irrigation Storage Reservoir (436)  
Irrigation System, Tailwater Recovery (447)  
Irrigation Water Conveyance, Pipeline, H (430DD)  
Lined Waterway or Outlet (468)  
Mulching (484)  
Pasture and Hay Planting (512)  
Pest Management (595)  
Sediment Basin (350)  
Subsurface Drain (606)  
Terrace (600)  
Tree/Shrub Establishment (612)  
Underground Outlet (620)  
Use Exclusion (472)  
Water and Sediment Control Basin (638)  
Soil Erosion: Ephemeral Gully  
Conservation Crop Rotation (328)  
Contour Buffer Strips (332)  
Cover Crop (340)  
Critical Area Planting (342)  
Diversion (362)  
Field Border (386)  
Filter Strip (393)  
Grade Stabilization Structure (410)

- Grassed Waterway (412)
- Irrigation Land Leveling (464)
- Irrigation System, Tailwater Recovery (447)
- Lined Waterway or Outlet (468)
- Mulching (484)
- Nutrient Management (590)
- Pasture and Hay Planting (512)
- Pest Management (595)
- Riparian Forest Buffer (391)
- Sediment Basin (350)
- Subsurface Drain (606)
- Terrace (600)
- Tree/Shrub Establishment (612)
- Underground Outlet (620)
- Use Exclusion (472)
- Water and Sediment Control Basin (638)
- Soil Erosion: Sheet and Rill
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Diversion (362)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Irrigation Land Leveling (464)
  - Irrigation System, Tailwater Recovery (447)
  - Mulching (484)
  - Nutrient Management (590)
  - Pasture and Hay Planting (512)
  - Pest Management (595)
  - Riparian Forest Buffer (391)
  - Subsurface Drain (606)
  - Terrace (600)
  - Tree/Shrub Establishment (612)
  - Underground Outlet (620)
  - Use Exclusion (472)
  - Water and Sediment Control Basin (638)
- Soil Erosion: Streambank
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Diversion (362)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Lined Waterway or Outlet (468)
  - Mulching (484)
  - Riparian Forest Buffer (391)
  - Subsurface Drain (606)
  - Terrace (600)
  - Tree/Shrub Establishment (612)
  - Underground Outlet (620)
  - Use Exclusion (472)
  - Water and Sediment Control Basin (638)
- Water Quality: Excessive Nutrients and Organics in Groundwater
  - Conservation Crop Rotation (328)
  - Cover Crop (340)

Critical Area Planting (342)  
Field Border (386)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Grassed Waterway (412)  
Irrigation Land Leveling (464)  
Irrigation System, Microirrigation (441)  
Irrigation System, Sprinkler (442)  
Irrigation Water Management (449)  
Lined Waterway or Outlet (468)  
Mulching (484)  
Nutrient Management (590)  
Pasture and Hay Planting (512)  
Riparian Forest Buffer (391)  
Subsurface Drain (606)  
Tree/Shrub Establishment (612)  
Underground Outlet (620)  
Use Exclusion (472)  
Water and Sediment Control Basin (638)  
Water Quality: Excessive Nutrients and Organics in Surface Water  
Conservation Crop Rotation (328)  
Contour Buffer Strips (332)  
Cover Crop (340)  
Critical Area Planting (342)  
Field Border (386)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Grassed Waterway (412)  
Irrigation Land Leveling (464)  
Irrigation System, Microirrigation (441)  
Irrigation System, Sprinkler (442)  
Irrigation System, Tailwater Recovery (447)  
Irrigation Water Conveyance, Pipeline, H (430DD)  
Irrigation Water Management (449)  
Lined Waterway or Outlet (468)  
Mulching (484)  
Nutrient Management (590)  
Pasture and Hay Planting (512)  
Pipeline (516)  
Riparian Forest Buffer (391)  
Sediment Basin (350)  
Terrace (600)  
Tree/Shrub Establishment (612)  
Underground Outlet (620)  
Use Exclusion (472)  
Water and Sediment Control Basin (638)  
Water Quality: Excessive Suspended Sediment and Turbidity in Surface Water  
Conservation Crop Rotation (328)  
Contour Buffer Strips (332)  
Cover Crop (340)  
Critical Area Planting (342)  
Diversion (362)  
Field Border (386)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Grassed Waterway (412)  
Irrigation Land Leveling (464)  
Irrigation System, Tailwater Recovery (447)  
Irrigation Water Conveyance, Pipeline, H (430DD)  
Irrigation Water Management (449)  
Lined Waterway or Outlet (468)



- Mulching (484)
- Pasture and Hay Planting (512)
- Pipeline (516)
- Riparian Forest Buffer (391)
- Sediment Basin (350)
- Subsurface Drain (606)
- Terrace (600)
- Tree/Shrub Establishment (612)
- Underground Outlet (620)
- Use Exclusion (472)
- Water and Sediment Control Basin (638)
- Water Quantity: Excessive Runoff, Flooding, or Ponding
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Diversion (362)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Irrigation Land Leveling (464)
  - Irrigation Storage Reservoir (436)
  - Irrigation System, Microirrigation (441)
  - Irrigation System, Sprinkler (442)
  - Irrigation System, Tailwater Recovery (447)
  - Lined Waterway or Outlet (468)
  - Mulching (484)
  - Pasture and Hay Planting (512)
  - Sediment Basin (350)
  - Subsurface Drain (606)
  - Terrace (600)
  - Tree/Shrub Establishment (612)
  - Underground Outlet (620)
  - Water and Sediment Control Basin (638)
- Water Quantity: Inefficient Water Use on Irrigated Land
  - Conservation Crop Rotation (328)
  - Diversion (362)
  - Grade Stabilization Structure (410)
  - Irrigation Land Leveling (464)
  - Irrigation Storage Reservoir (436)
  - Irrigation System, Microirrigation (441)
  - Irrigation System, Sprinkler (442)
  - Irrigation System, Tailwater Recovery (447)
  - Irrigation Water Conveyance, Pipeline, H (430DD)
  - Irrigation Water Management (449)
  - Subsurface Drain (606)
- Water Quantity: Reduced Storage of Water Bodies by Sediment Accumulation
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)
  - Diversion (362)
  - Field Border (386)
  - Filter Strip (393)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Irrigation Land Leveling (464)
  - Irrigation System, Microirrigation (441)
  - Irrigation System, Sprinkler (442)
  - Irrigation System, Tailwater Recovery (447)

Irrigation Water Management (449)  
Lined Waterway or Outlet (468)  
Mulching (484)  
Pasture and Hay Planting (512)  
Riparian Forest Buffer (391)  
Sediment Basin (350)  
Subsurface Drain (606)  
Terrace (600)  
Tree/Shrub Establishment (612)  
Underground Outlet (620)  
Use Exclusion (472)  
Water and Sediment Control Basin (638)

2.18.6766.1\_3V